



ALL BAND COMMUNICATIONS RECEIVER

9R-59DS



OPERATING MANUAL

TRIO 9R-59DS

TRIO ELECTRONICS INC., makers of the finest professional testing equipment and communication apparatus, proudly presents the 9R-59DS, a new, de-luxe receiver for today's amateur operator, as well as discerning shortwave listener. TRIO'S most advanced engineering techniques and design are incorporated into this all-purpose receiver which has many superior features found only in the most expensive communications equipment.

SPECIAL FEATURES

1. Main tuning and Band Spread readings are easily made on these easy-to-read separate dials. The anti-backlash mechanism is smooth and sure. It provides close calibration accuracy and makes tuning a real pleasure.
2. The receiver provides continuous coverage from 550 kHz to 30 MHz. Band spread tuning, with direct reading dial, is available on amateur bands.
3. Superb selectivity, heretofore unattainable with ordinary IF Transformers, is achieved through the use of a mechanical filter.
4. One RF, and two audio stages of amplification ensure high sensitivity and selectivity.
5. Unusually stable operation is obtained through special design and shielding.
6. Clear SSB reception is achieved through the use of a Product Detector.
7. A large easy-to-read S meter provides accurate S readings at all times, including during CW and SSB reception.
8. Pre-mounted and pre-aligned printed board circuits are utilized in the front end. This permits successful kit-form assembly even by beginners.
9. The ANL circuit (Automatic Noise Limiter) effectively limits interference from pulse type noise.
10. The receiver is equipped with a stand-by switch, enabling it to be used with any transmitter, or it can be used alone for listening purposes.
11. A phone jack is provided so that the receiver may be operated late at night without disturbing others.
12. An antenna trimmer ensures optimum sensitivity on all bands.

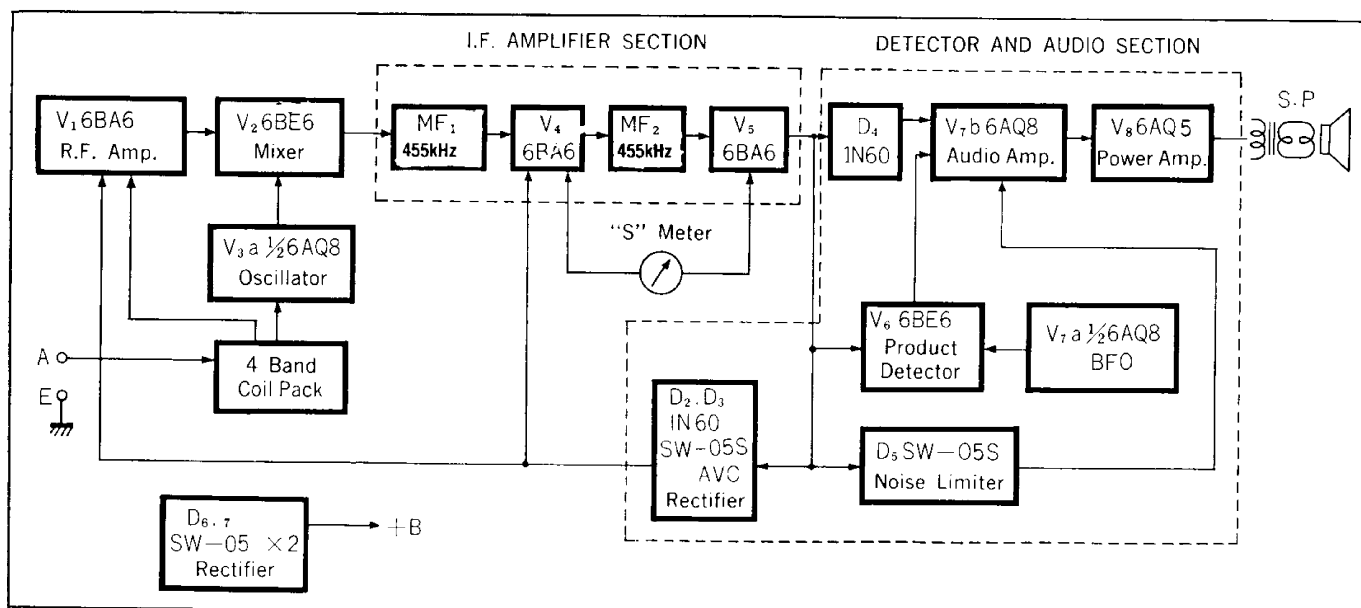


Figure 1 — Block Diagram

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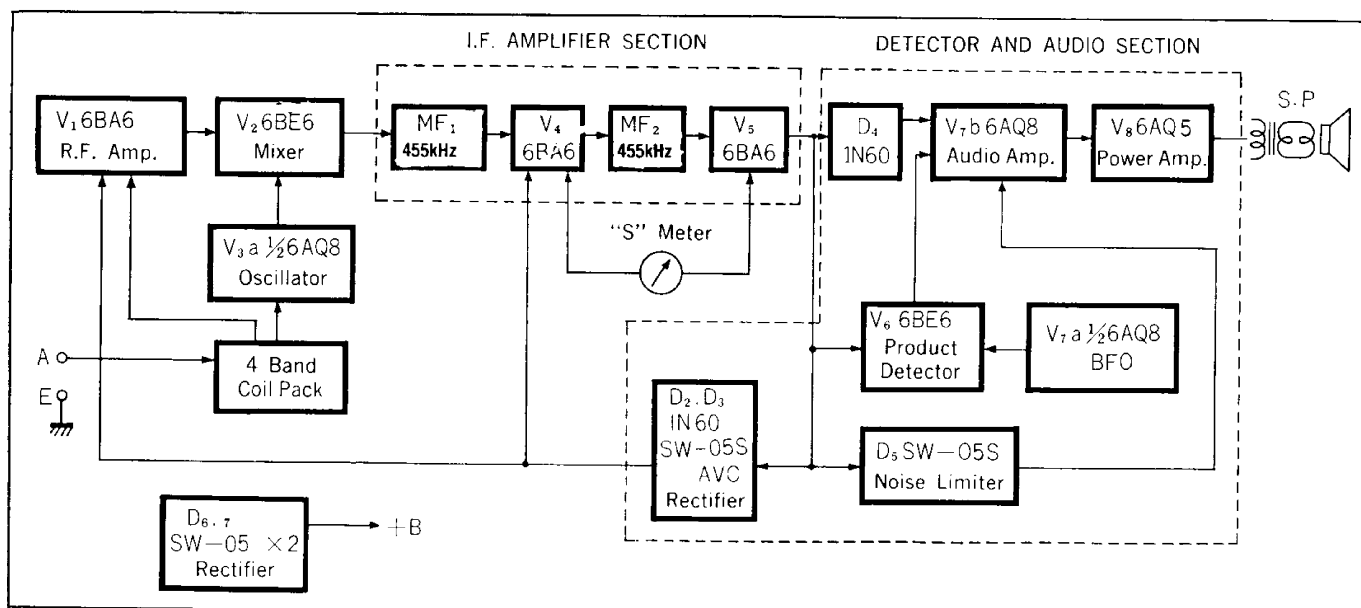


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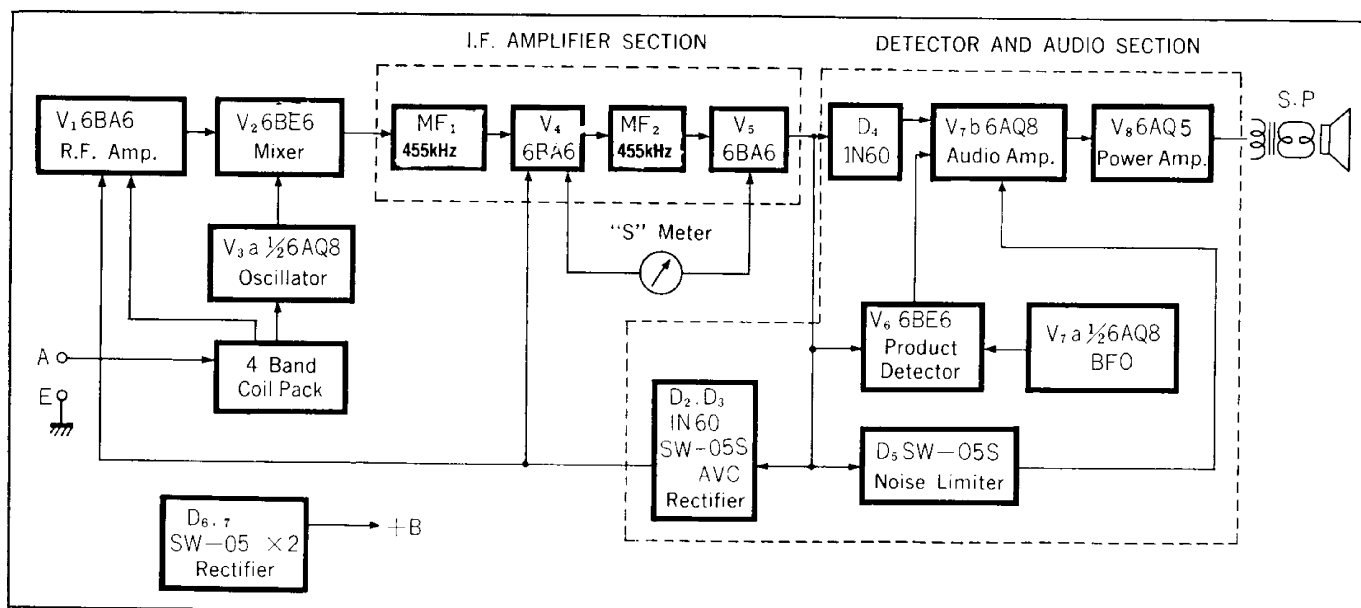


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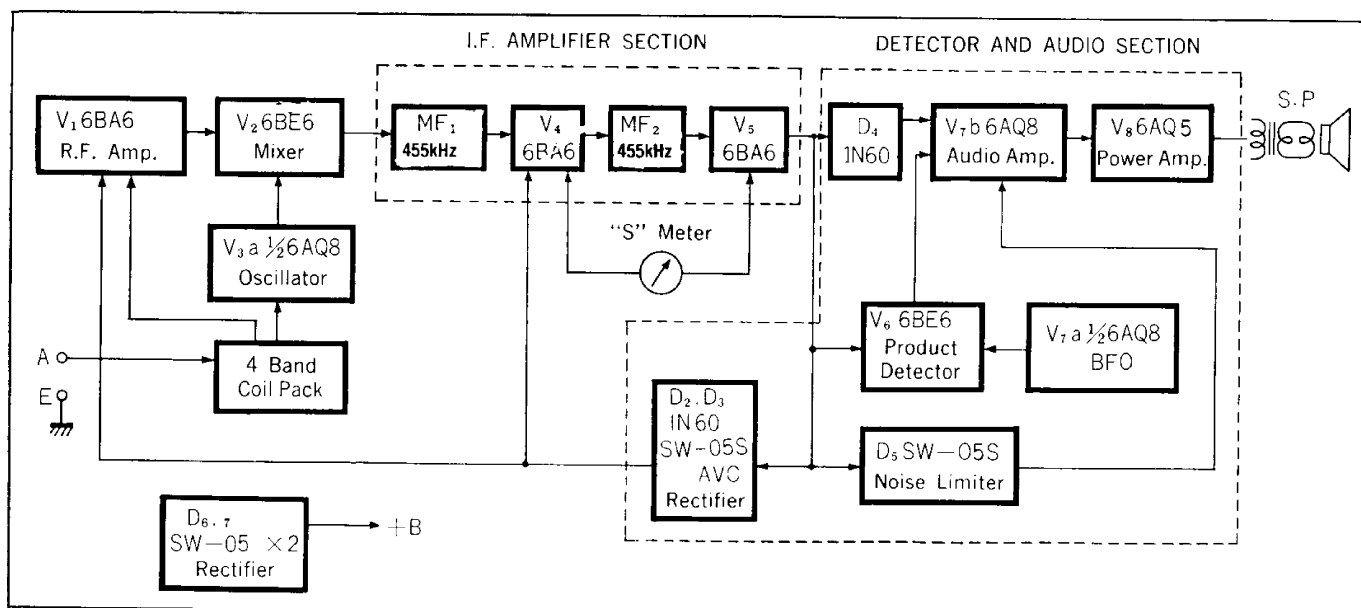


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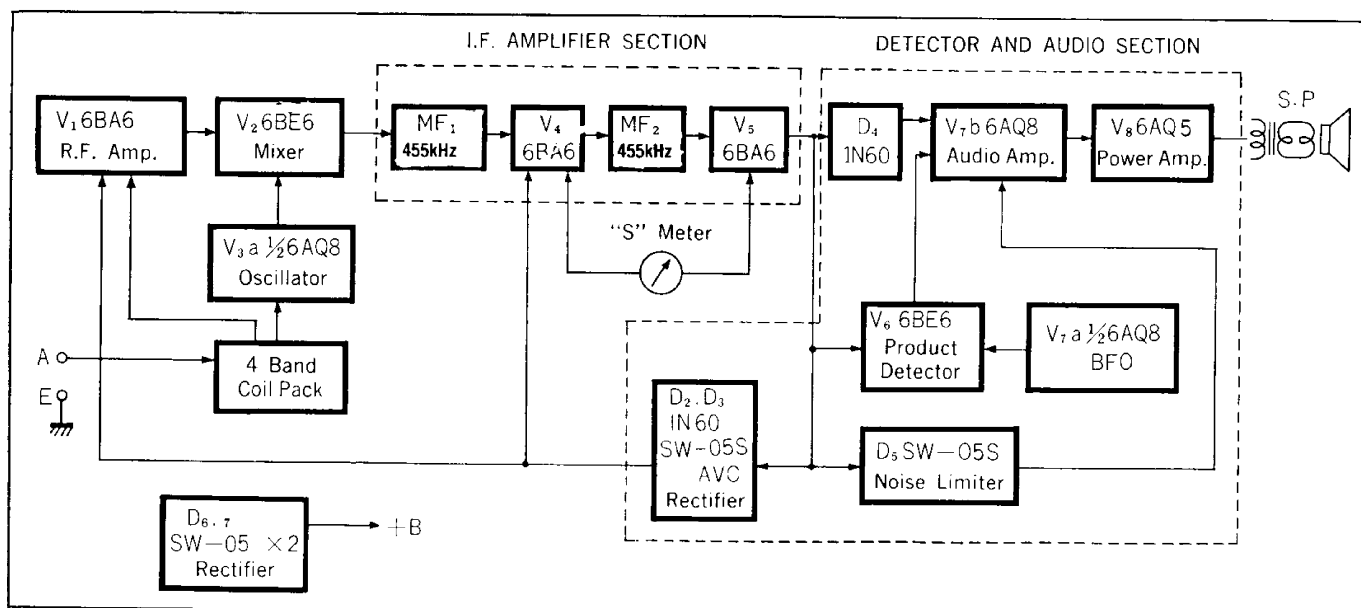
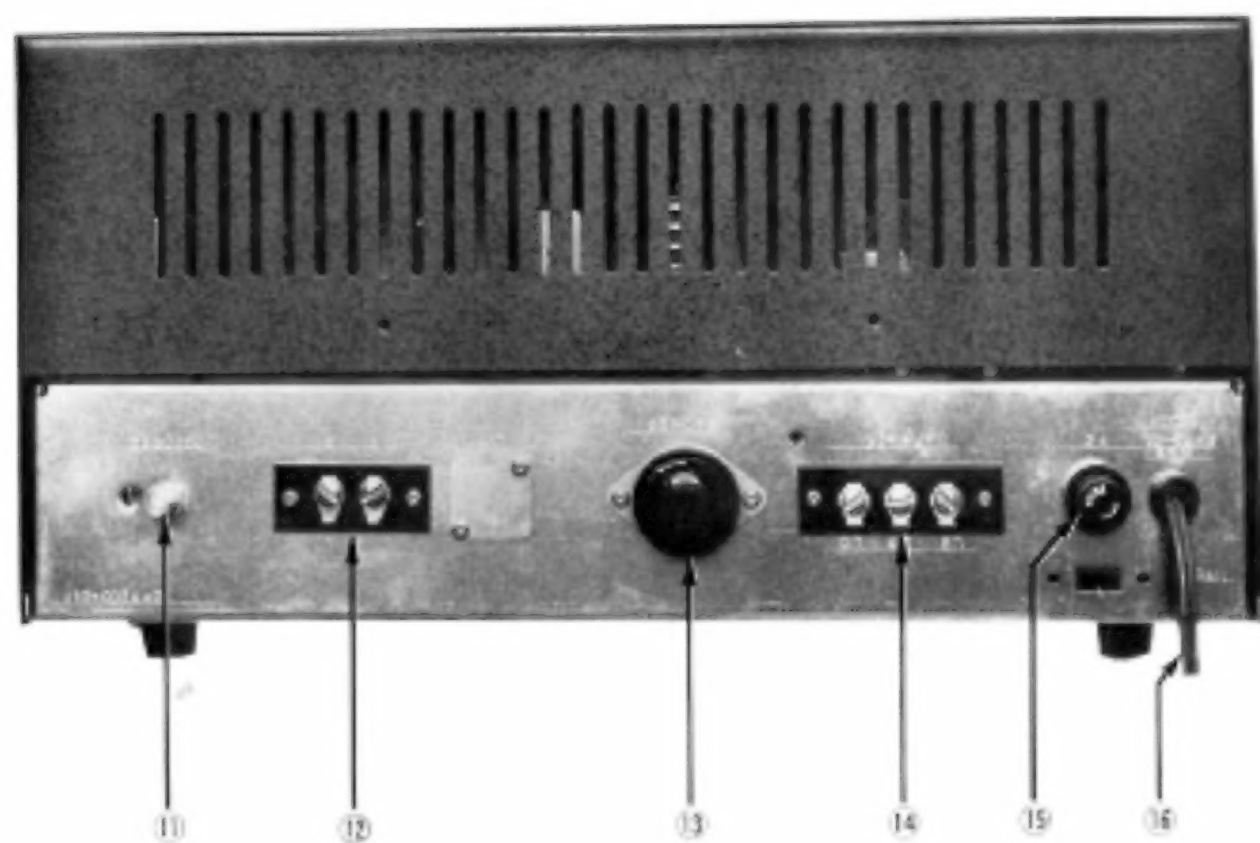
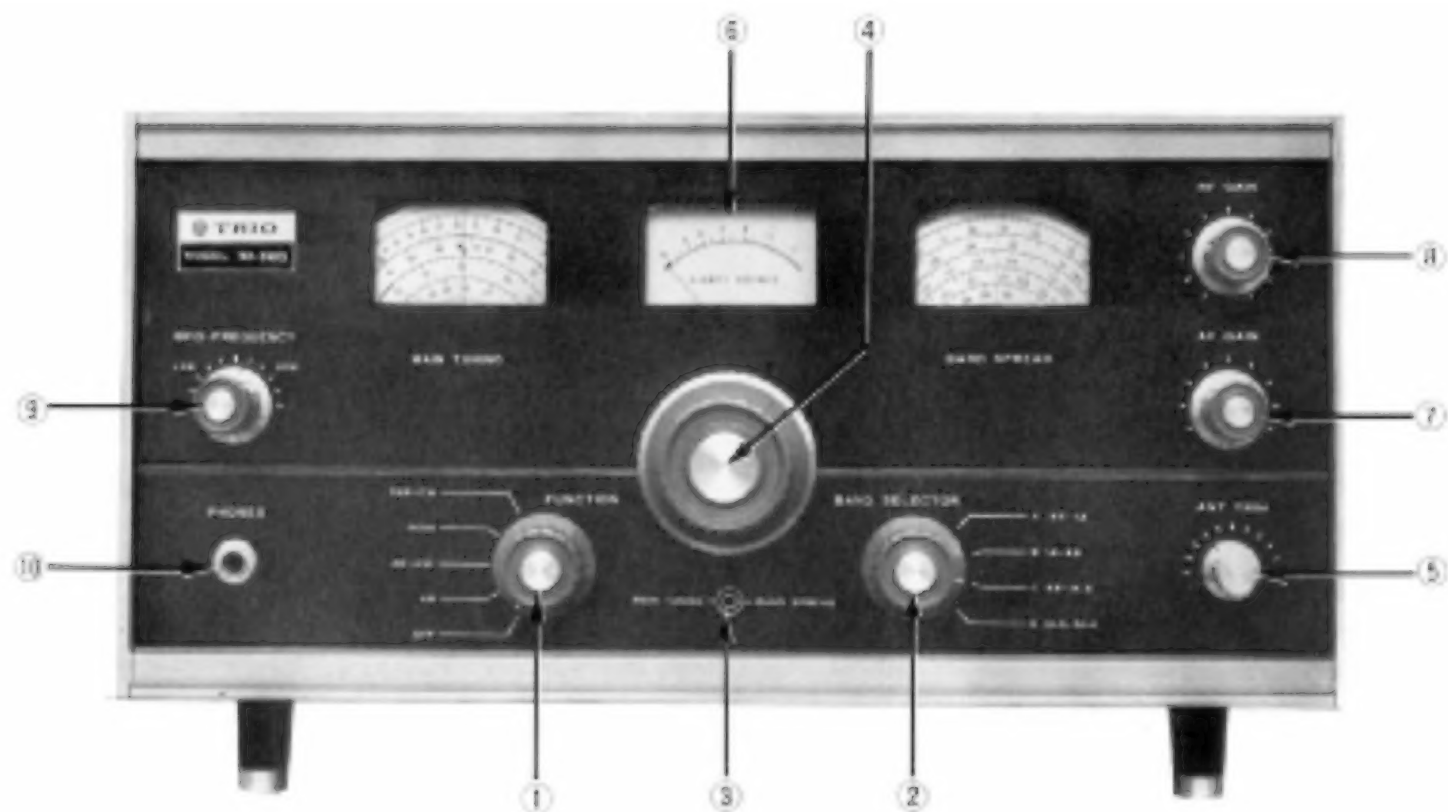


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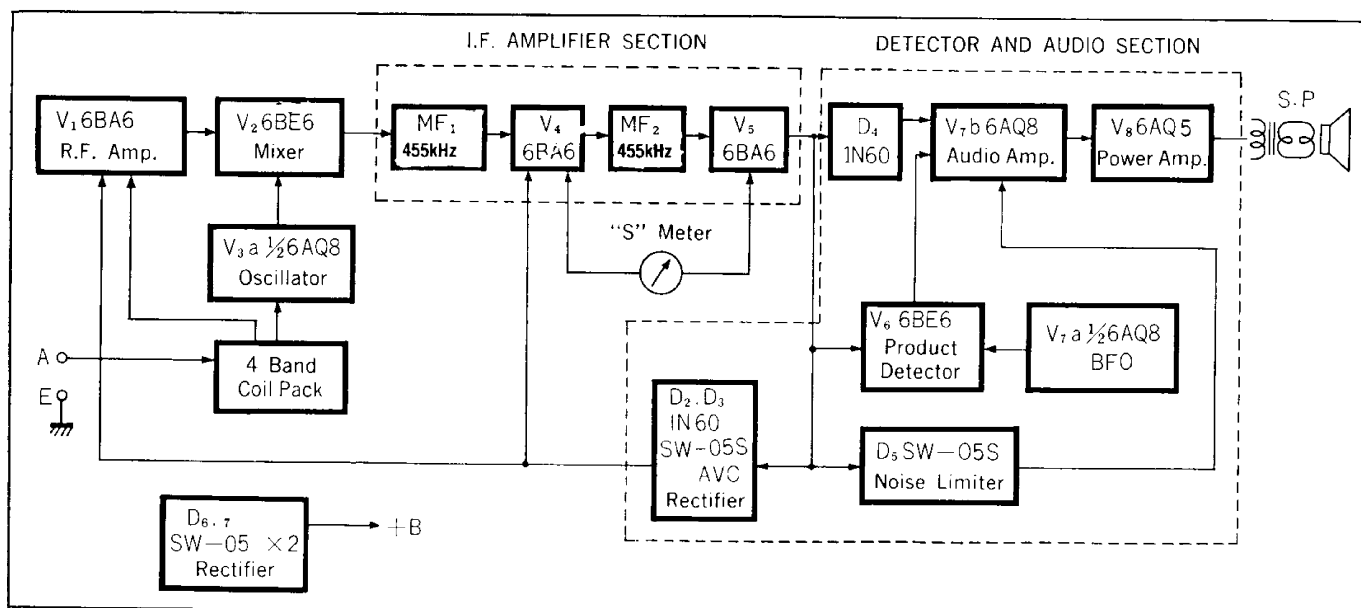


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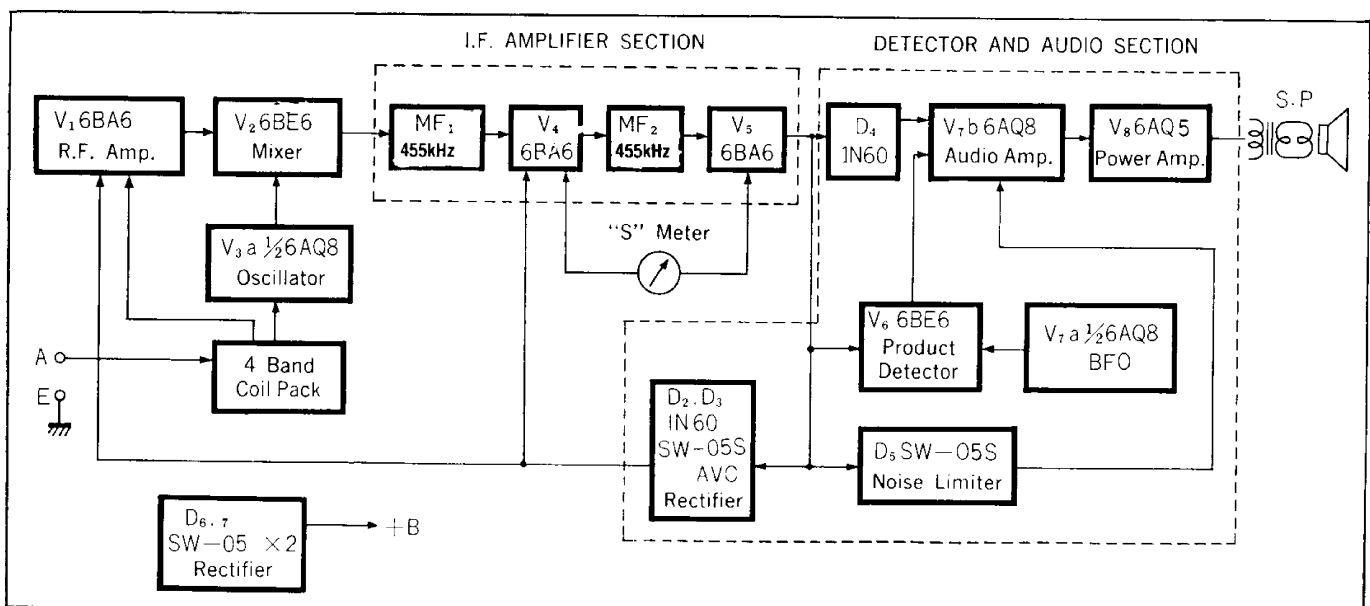


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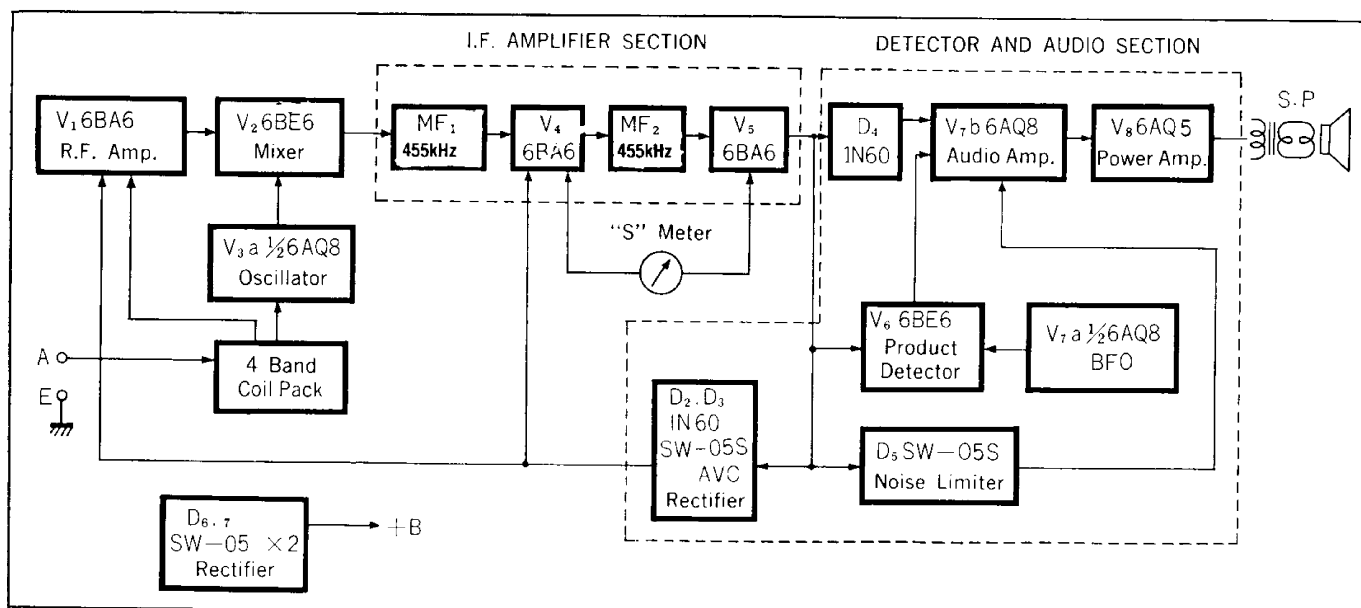


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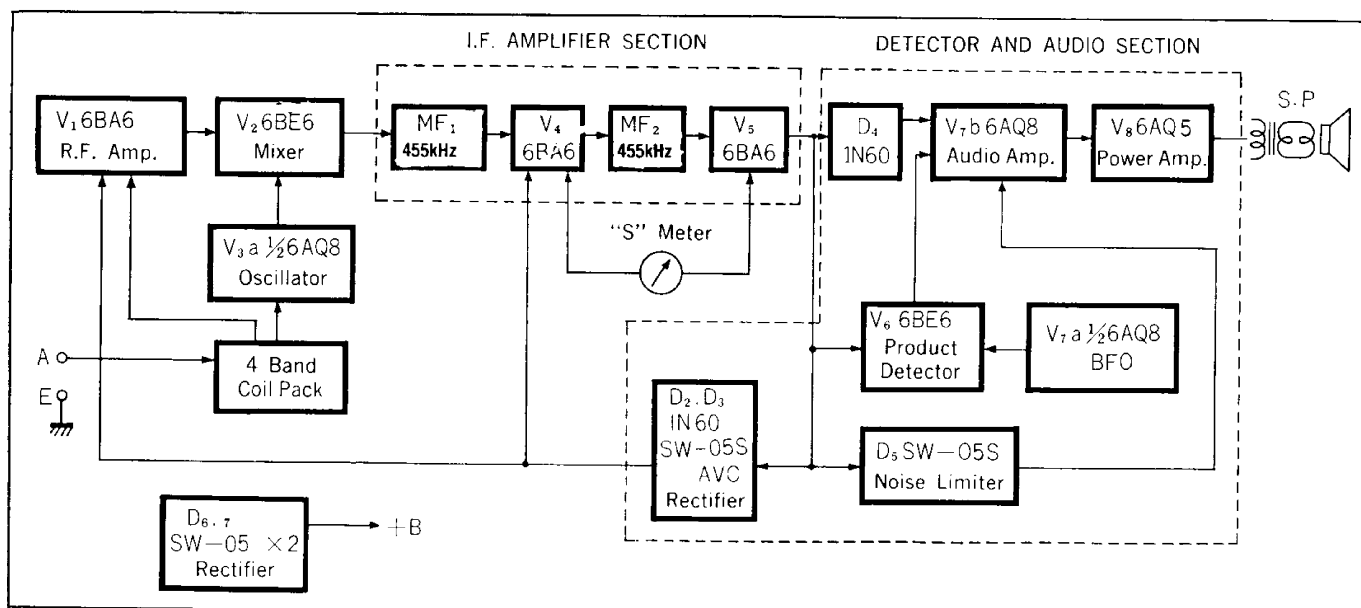


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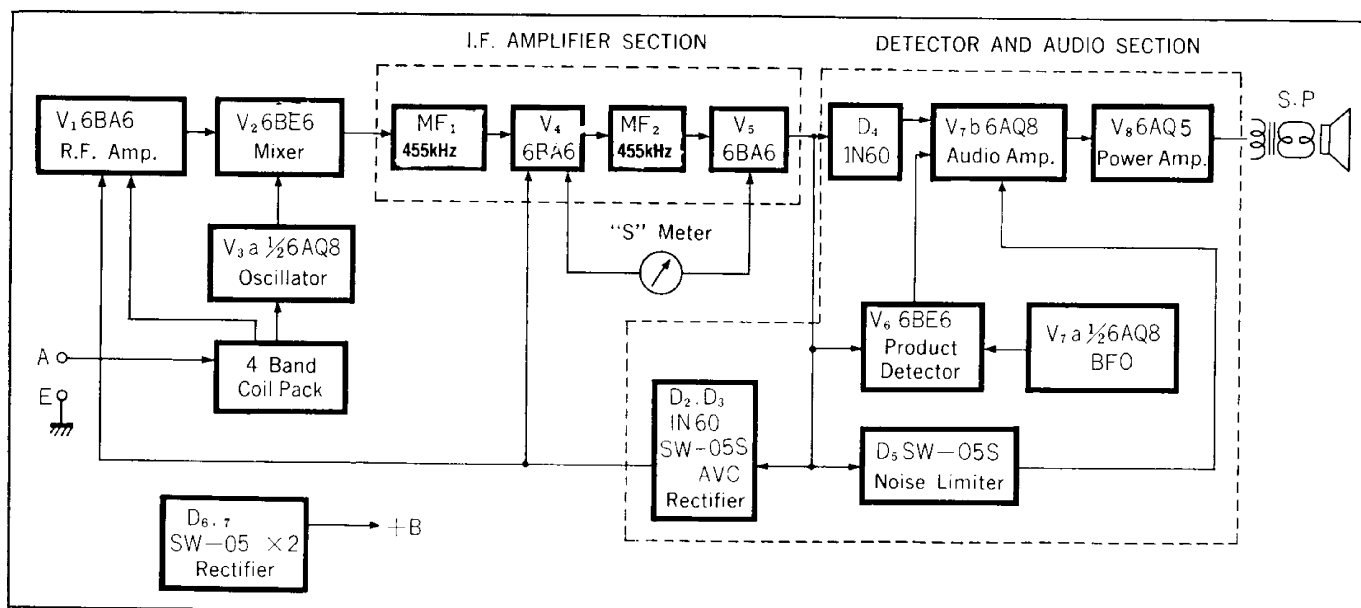


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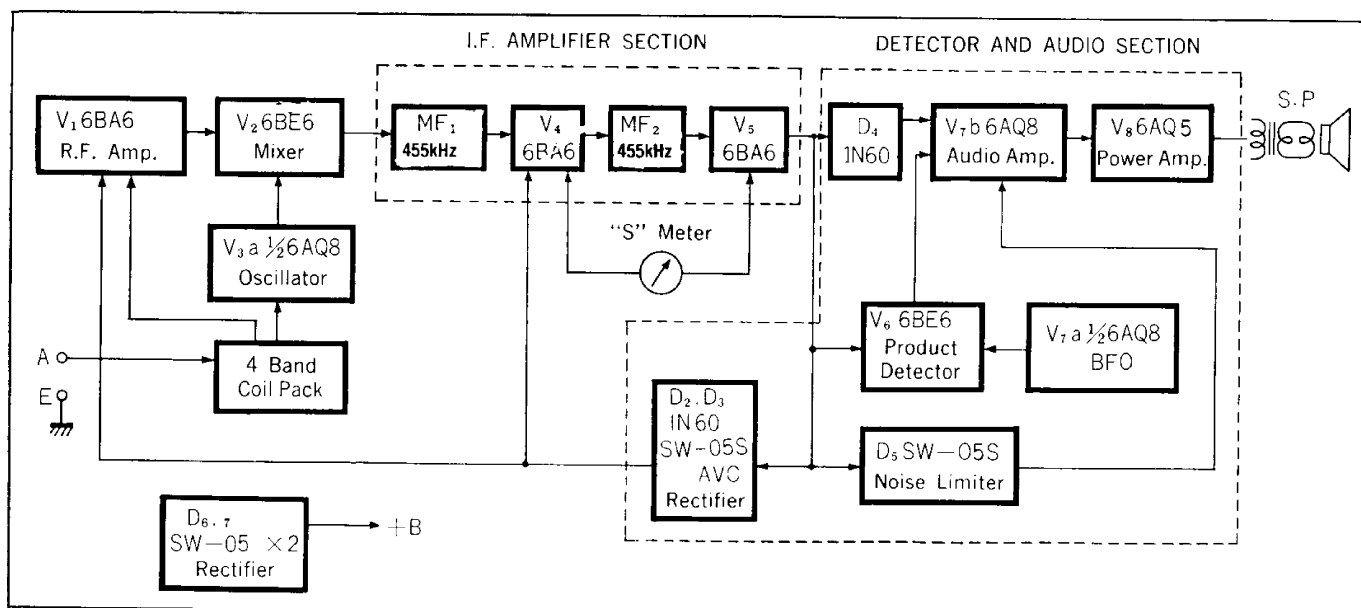


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